

WHAT IS CLAIMED IS:

1. Granules for formation of an electrode of an electric double layer capacitor which are obtained by kneading and then crushing materials including an activated material, a conductive
5 filler, and a binder at 50 to 97 mass-%, 1 to 30 mass-%, and 2 to 20 mass-%, respectively, wherein

the granules for formation of an electrode are essentially granules whose diameter is in a range of 47 to 840 μm .

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2. A manufacturing method of granules for formation of an electrode of an electric double layer capacitor, comprising the steps of:

(a) producing material lumps by kneading materials including
15 an activated material, a conductive filler, and a binder at 50 to 97 mass-%, 1 to 30 mass-%, and 2 to 20 mass-%, respectively, and fibrillating the binder;

(b) producing crushed granules by crushing the material lumps;

20 (c) classifying the crushed granules to remove granules whose diameters are larger than 840 μm ; and

(d) classifying the crushed granules to remove granules whose diameters are smaller than 47 μm .

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3. The electrode sheet for an electric double layer capacitor which is produced by forming the granules for formation of an electrode of an electric double layer capacitor according to claim 1 into a sheet.

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4. The polarized electrode for an electric double layer capacitor, wherein

the electrode sheet for an electric double layer capacitor according to claim 3 is laminated on electrode foil
10 with or without intervention of a bonding layer.

5. The electric double layer capacitor comprising:

the polarized electrode for an electric double layer capacitor according to claim 4.

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6. A manufacturing method of a polarized electrode for an electric double layer capacitor for manufacturing a sheet-like polarized electrode for an electric double layer capacitor comprising the steps of:

20 mixing and kneading materials including a carbonaceous powder, a conductivity-enhancing agent, and a binder into a kneaded material,

producing a forming material by converting the kneaded material into granules, and

25 forming and rolling the forming material, wherein

the granules as the forming material produced from the kneaded material are generally glomerate and are in a diameter range that the diameter is larger than or equal to 47 μm and smaller than 840 μm .

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7. The manufacturing method of a polarized electrode for an electric double layer capacitor according to claim 6, wherein

the forming material is such that a proportion of granules whose diameter is smaller than 243 μm is smaller than or equal

10 to 30% of all the granules.

8. The manufacturing method of a polarized electrode for an electric double layer capacitor according to claim 6, wherein

when a binder-assisting agent is added to and mixed with
15 the forming material before the forming material is formed into a sheet, the binder-assisting agent and the forming material are mixed with each other in a tightly closed container.